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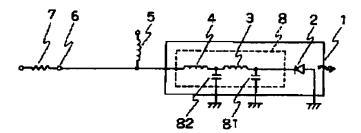
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TITLE

SEMICONDUCTOR LASER MODULE



ABSTRACT: PROBLEM TO BE SOLVED: To obtain high modulation degree by a small power signal by restraining power loss caused by a load resistance inserted to a laser diode chip in series in a semiconductor laser module wherein a micro-wave signal is directly input as a modulation signal.

> SOLUTION: This semiconductor laser module is provided with an input impedance matching circuit 8 wherein a bonding wire 3 and a microstrip line 4 for connecting a laser diode chip 2 and a modulation signal input terminal 6 are incorporated as a part of a constituent element in an inside of a module package 1 which contains a laser diode chip 2 and is provided with a modulation signal input terminal 6. Desirably, capacitance elements 81, 82 are connected between the bonding wire 3 and the microstrip line 4 and a ground. High transmission efficiency is obtained by matching input impedance in one or a plurality of frequency band regions by adjusting a fixed number of the circuit elements.

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